

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

- 1.-6. (Cancelled)
7. (Previously Presented) A steering control apparatus for an automotive vehicle, comprising:
  - a camera photographing a travel path in a traveling direction of a vehicle;
  - a lateral displacement calculating circuit that calculates a lateral displacement of the vehicle with respect to the travel path according to an image of the travel path photographed by the camera;
  - a differentiator that calculates a differential value of the lateral displacement;
  - a vehicle speed sensor that detects a vehicle speed;
  - a relative yaw rate calculating section that calculates a relative yaw rate with respect to the travel path of the vehicle on the basis of the lateral displacement, the differential value of the lateral displacement, and the vehicle speed;
  - an actuator that provides an assistance force for the steering mechanism; and
  - an actuator controlling section that drivingly controls the actuator in a direction toward which the relative yaw rate is cancelled on the basis of the relative yaw rate, wherein the actuator controlling section outputs a steering torque command value to the actuator, the steering torque command value being a sum of a steering assistance quantity calculated on the basis of a steering torque and the vehicle speed and a stability direction steering quantity calculated on the basis of the calculated relative yaw rate, and wherein the actuator controlling section comprises a relative yaw rate controlling section comprising:
    - a differentiator that differentiates the lateral displacement;

a pseudo differentiation filter constituted by a predetermined forward distance (L) and the vehicle speed; and

a control gain section that provides a control gain in the direction toward which the relative yaw rate extracted from the pseudo differentiation filter is cancelled and outputs the stability direction steering quantity.

8. (Original) A steering control apparatus for an automotive vehicle as claimed in claim 7, wherein the actuator controlling section comprises a steering assistance controlling section that calculates the steering assistance quantity on the basis of a steering torque and the vehicle speed.

9. (Original) A steering control apparatus for an automotive vehicle as claimed in claim 8, wherein the actuator comprises an electrically driven motor of a power steering mechanism of the vehicle.

10. (Cancelled)